

FIG.1

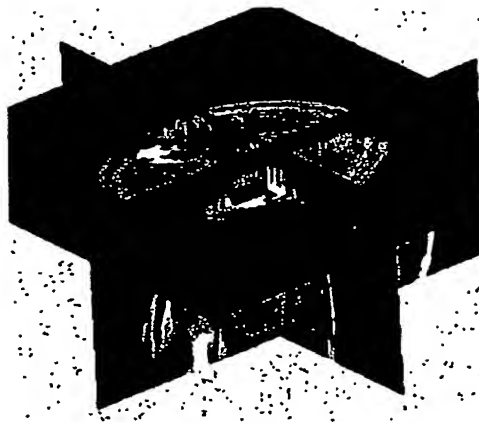


FIG. 2

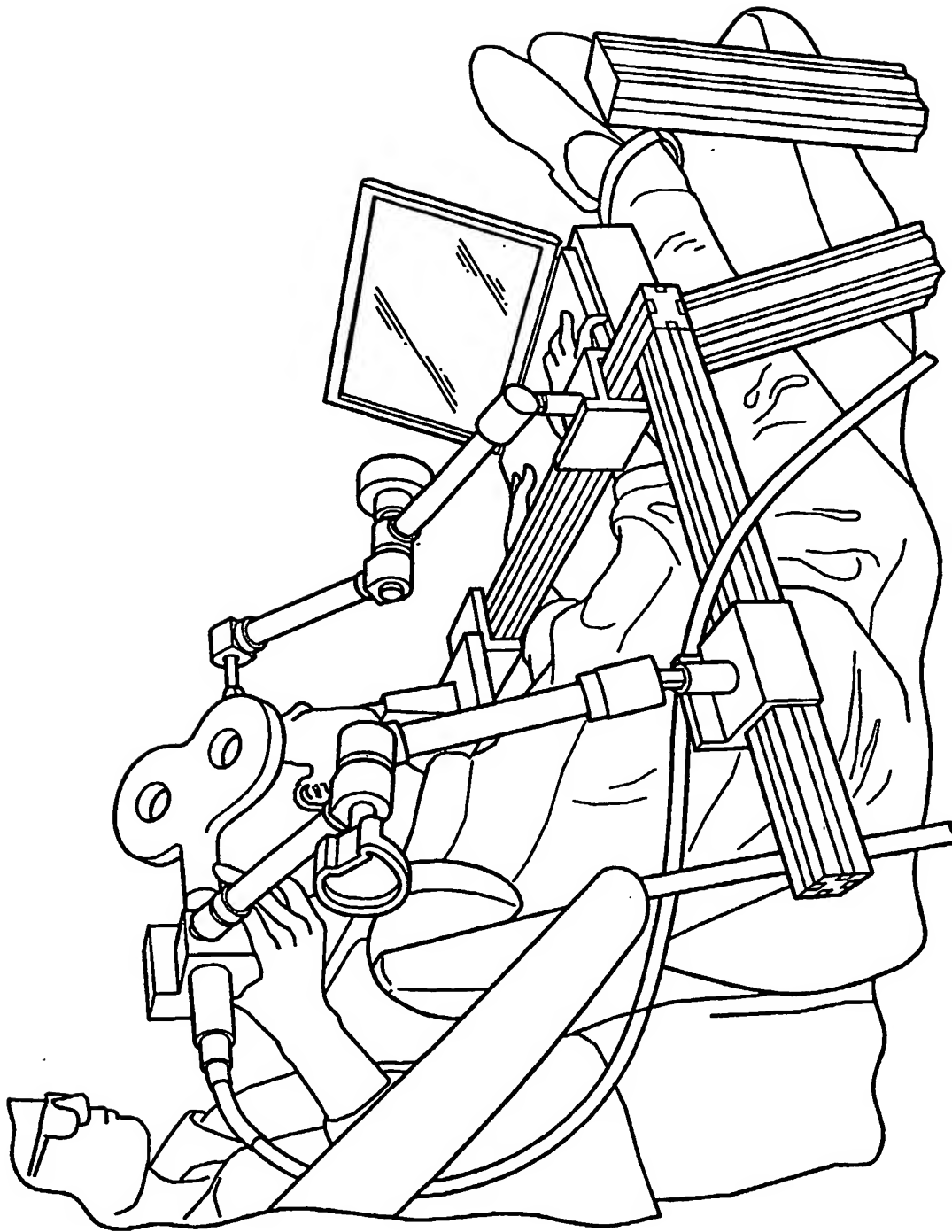


FIG. 3

fMRI GUIDED TMS DURING THE STERNBERG IN ONE SUBJECT

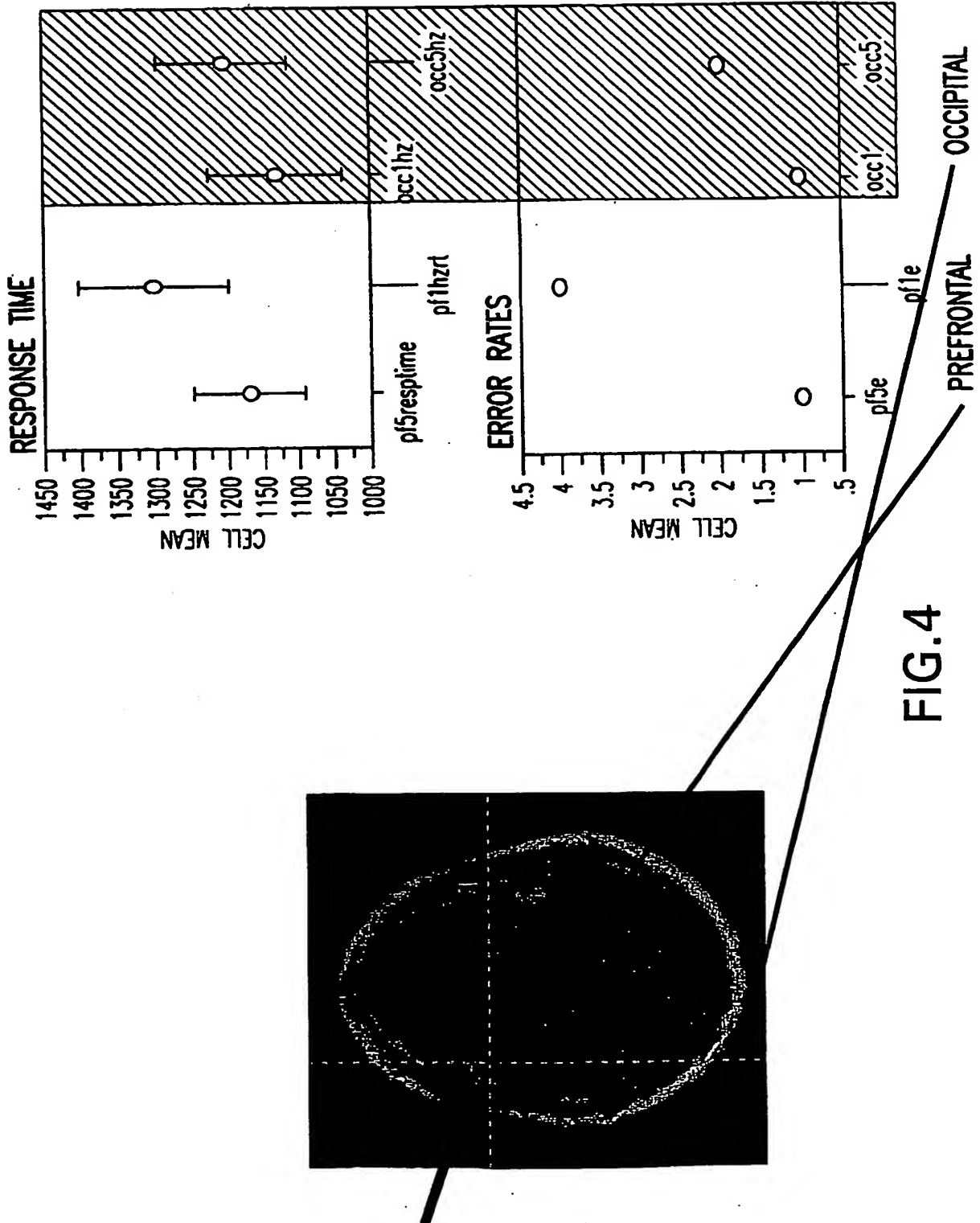


FIG.4

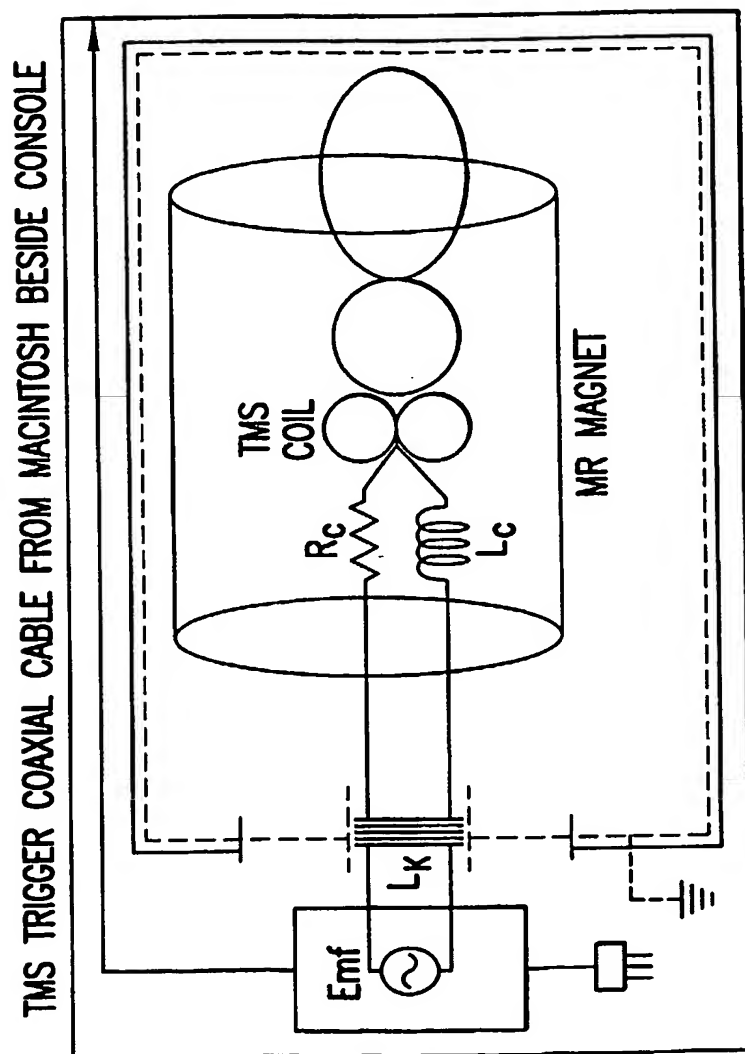
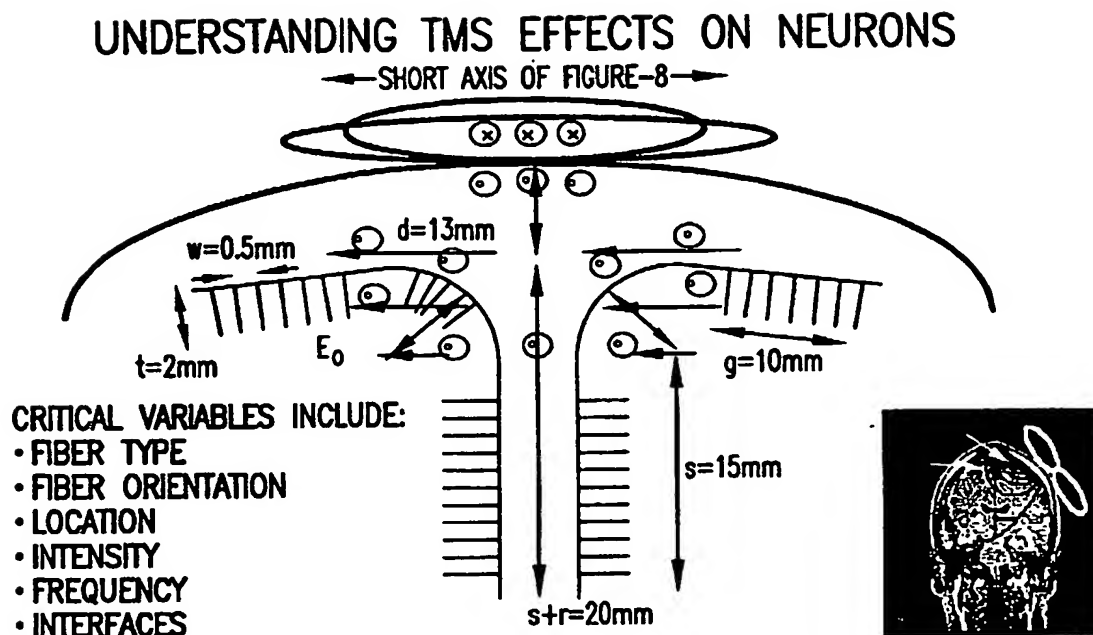


FIG.5



## UNDERSTANDING TMS EFFECTS ON NEURONS

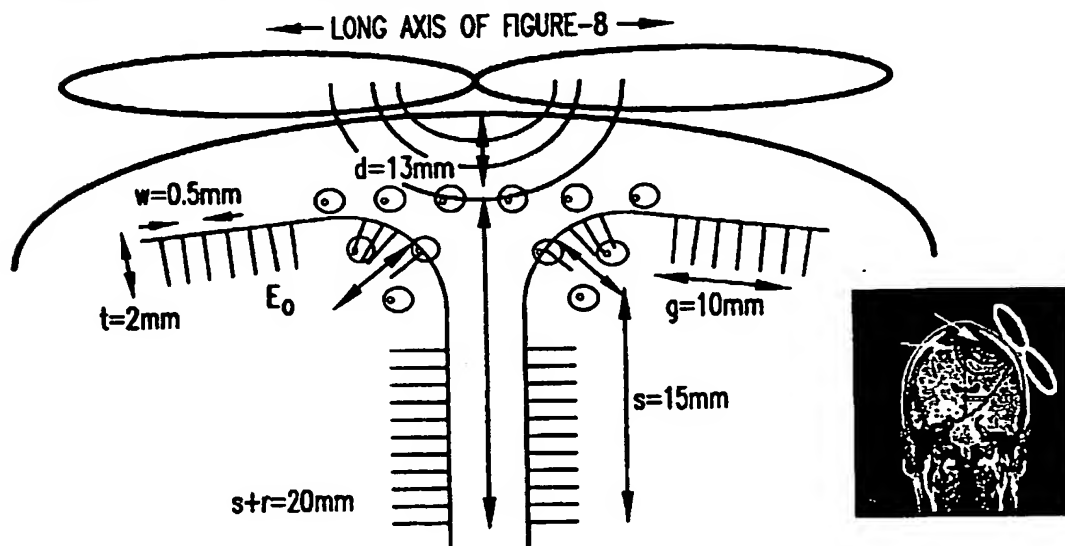
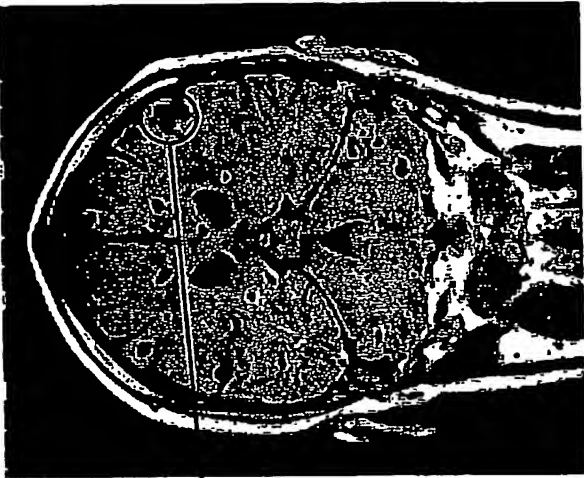
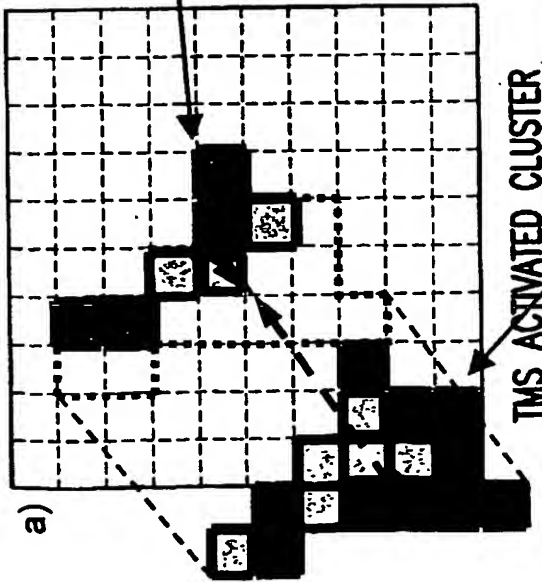


FIG.7

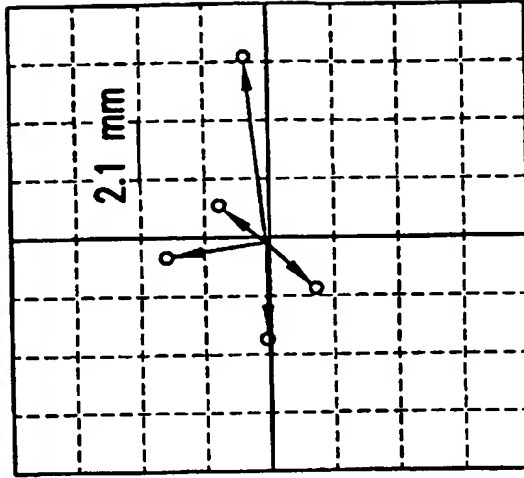
VOLition activated cluster



b)

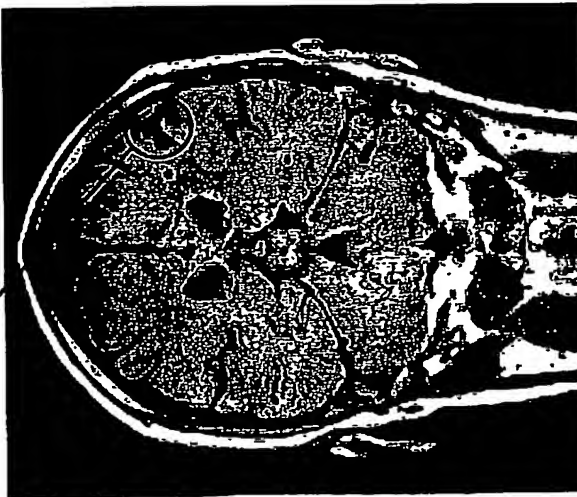


a)



d)

CLUSTER c-OF-a SHIFT (PIXELS)

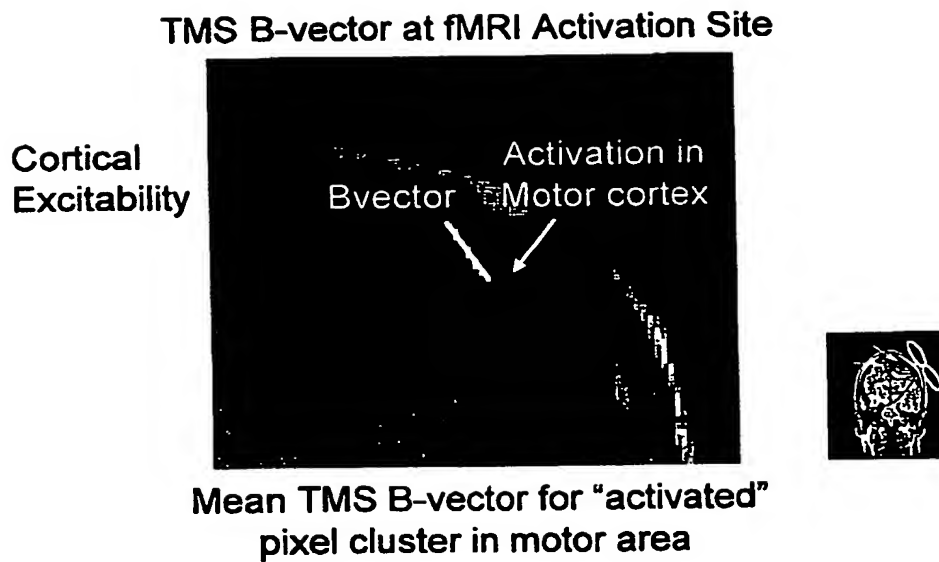


c)



FIG.8

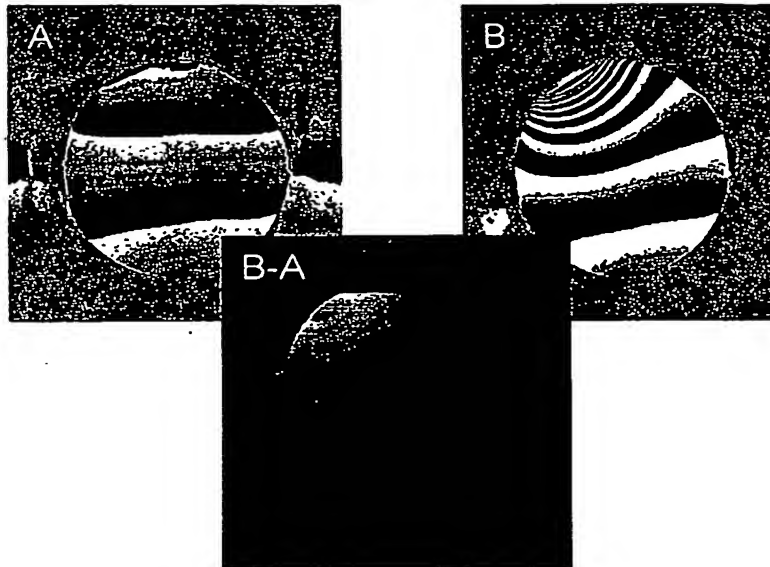




**FIG.9**

Using Conventional MRI  
To Image the Magnetic Field of TMS

TMS coil current OFF!      TMS coil current ON!



B-A= Phase Map of  
Magnetic Field

FIG.10

